



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11551403
SAU: South Portland School Dept
School: Daniel F. Mahoney Middle Sch

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

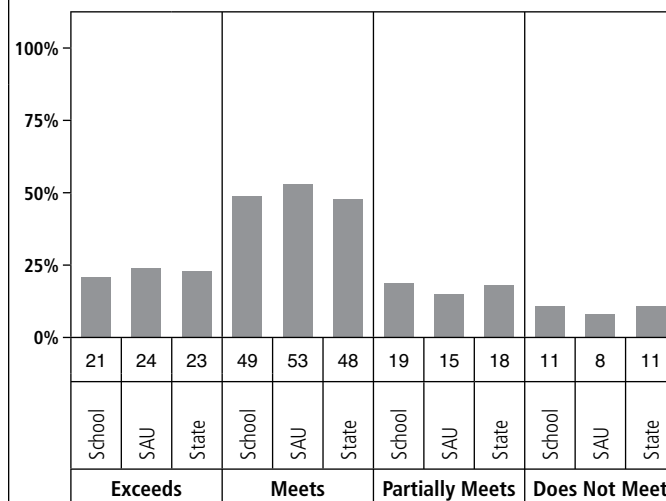
SAU: South Portland School Dept

School: Daniel F. Mahoney Middle Sch

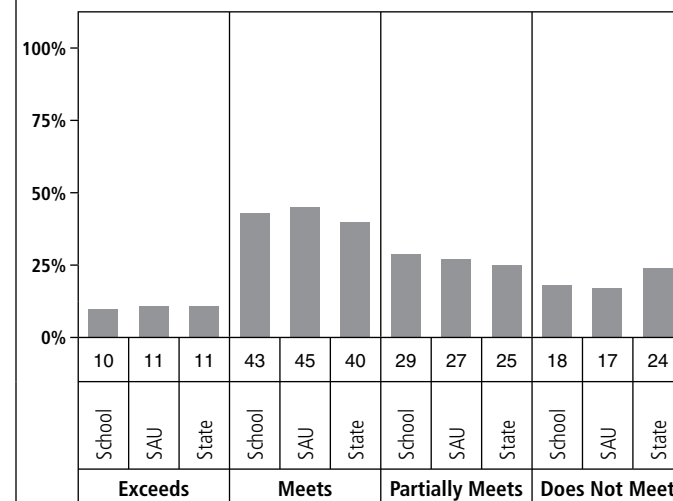
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	846	848	845
2006–2007	849	848	847
2007–2008	849	851	849
Cum. Avg. *	848	849	847
Mathematics			
2005–2006	841	841	840
2006–2007	845	843	842
2007–2008	843	843	841
Cum. Avg. *	843	842	841
Science & Technology			
2005–2006	848	847	846
2006–2007	850	848	847
2007–2008	849	849	847
Cum. Avg. *	849	848	847

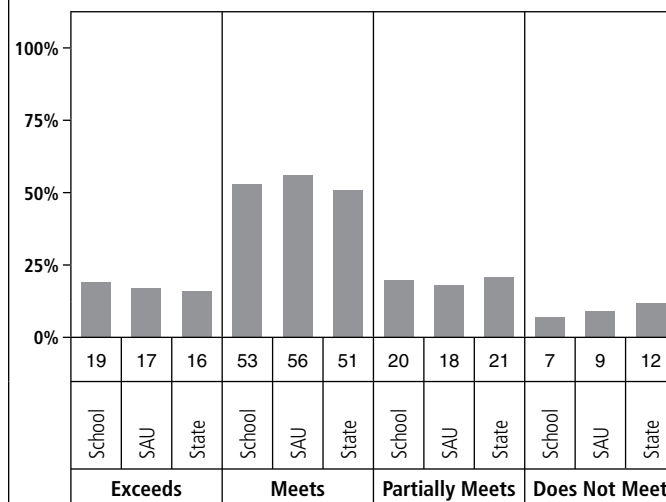
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	107	100	234	100	15274	100	105	99	230	99	15102	99	104	98	229	99	15097	99	104	98	228	98	15080	99						
Ethnicity African American/Black	7	7	13	6	368	2	7	100	12	92	356	97	7	100	12	92	360	98	7	100	12	92	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	4	4	10	4	186	1	4	100	10	100	181	97	4	100	10	100	182	98	4	100	10	100	182	98						
Hispanic	2	2	2	1	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	94	88	209	89	14461	95	92	99	206	100	14312	99	91	98	205	99	14302	99	91	98	204	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	26	24	38	16	2508	16	25	96	37	97	2446	98	24	92	36	95	2441	98	24	92	36	95	2431	98						
Current LEP	5	5	10	4	327	2	5	100	10	100	316	97	5	100	10	100	322	99	5	100	10	100	322	99						
Economically disadvantaged	36	34	63	27	5420	35	34	97	60	98	5329	99	33	94	59	97	5324	99	33	94	59	97	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	81	76	193	82	12703	83	81	76	193	82	12694	83	81	76	192	82	12710	83						
Identified disability (PET/IEP)	6	7	6	3	437	3	6	7	6	3	421	3	6	7	6	3	445	4						
LEP	0	0	5	3	172	1	0	0	5	3	172	1	0	0	5	3	173	1						
504 plan	2	2	3	2	229	2	2	2	3	2	231	2	2	2	3	2	230	2						
Participation with accommodations	23	21	36	15	2221	15	22	21	35	15	2227	15	22	21	35	15	2197	14						
Identified disability (PET/IEP)	18	78	30	83	1832	82	17	77	29	83	1844	83	17	77	29	83	1813	83						
LEP	5	22	5	14	136	6	5	23	5	14	143	6	5	23	5	14	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	1	3	213	10	0	0	1	3	202	9	0	0	1	3	204	9						
Participation through alternate assessment (PAAP)	1	1	1	0	177	1	1	1	1	0	176	1	1	1	1	0	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	1	1	2	1	32	0	1	1	2	1	34	0	1	1	2	1	34	0						
Non-participation – other	1	1	2	1	140	1	2	2	3	1	143	1	2	2	4	2	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: South Portland School Dept
School: Daniel F. Mahoney Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	16	15	47	21	2695	17
	2006-2007	30	25	40	18	2407	16
	2007-2008	22	21	54	24	3428	23
	Cum. Total*	68	20	141	21	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	54	50	108	48	6830	42
	2006-2007	47	39	102	46	7494	49
	2007-2008	51	49	121	53	7179	48
	Cum. Total*	152	46	331	49	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	23	21	44	20	3741	23
	2006-2007	27	22	52	24	3628	24
	2007-2008	20	19	35	15	2706	18
	Cum. Total*	70	21	131	19	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	15	14	25	11	3003	18
	2006-2007	18	15	27	12	1810	12
	2007-2008	11	11	19	8	1611	11
	Cum. Total*	44	13	71	11	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	36.8	65.7	37.8	67.5	36.9	65.9
Literary Text	28	50	17.9	63.9	18.7	66.8	18.3	65.4
Informational Text	28	50	18.8	67.1	19.0	67.9	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	104	22	21	51	49	20	19	11	11	849	229	24	53	15	8	851	14924	23	48	18	11	849
Ethnicity																						
African American/Black	7	2	29	2	29	2	29	1	14	848	12	17	58	17	8	850	348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	4										10	10	50	30	10	845	179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	91	20	22	47	52	14	15	10	11	850	205	25	53	14	8	851	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	24	1	4	10	42	7	29	6	25	838	36	3	33	33	31	835	2269	3	24	32	42	833
No	80	21	26	41	51	13	16	5	6	853	193	27	56	12	4	854	12655	27	52	16	5	852
Current LEP																						
Yes	5	0	0	0	0	3	60	2	40	831	10	0	40	30	30	837	308	8	30	27	34	837
No	99	22	22	51	52	17	17	9	9	850	219	25	53	15	7	852	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	33	0	0	13	39	12	36	8	24	838	59	7	46	27	20	841	5222	12	44	25	19	843
No	71	22	31	38	54	8	11	3	4	855	170	29	55	11	4	854	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	104	22	21	51	49	20	19	11	11	849	229	24	53	15	8	851	14917	23	48	18	11	849
Gender																						
Female	43	14	33	21	49	6	14	2	5	856	103	29	52	14	5	854	7198	30	48	15	7	853
Male	61	8	13	30	49	14	23	9	15	845	126	19	53	17	11	848	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	104	22	21	51	49	20	19	11	11	849	229	24	53	15	8	851	14117	24	49	17	10	850
Gifted/talented program																						
Yes	16	13	81	3	19	0	0	0	0	868	30	87	13	0	0	868	592	71	28	1	0	867
No	88	9	10	48	55	20	23	11	13	846	199	14	59	18	10	848	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	1	9	3	27	4	36	3	27	839	9	5	48	24	24	840	9	10	39	24	26	841
B. less than one hour	43	9	20	21	48	10	23	4	9	849	45	25	49	18	8	851	46	20	50	20	11	849
C. one to two hours	38	10	26	22	56	5	13	2	5	854	40	27	59	11	3	855	41	28	49	15	7	852
D. more than two hours	8	2	25	5	63	1	13	0	0	854	6	31	62	8	0	854	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	22	7	32	10	45	3	14	2	9	853	27	34	49	11	5	855	33	31	48	14	7	853
B. They match some of what I have learned.	65	11	17	35	53	16	24	4	6	850	61	19	57	18	6	851	53	21	51	19	9	849
C. They match just a little of what I have learned.	13	4	31	5	38	1	8	3	23	848	12	23	46	12	19	848	11	14	41	25	20	844
D. There is no match.	1	0	0	1	100	0	0	0	0	848	0	0	100	0	0	848	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	31	15	47	17	53	0	0	0	0	861	30	53	47	0	0	861	31	42	44	8	6	857
B. good	40	6	15	19	46	12	29	4	10	848	49	15	58	20	7	850	49	19	54	19	9	849
C. fair	25	1	4	14	56	7	28	3	12	843	18	5	59	27	10	844	18	5	42	31	22	840
D. poor	4	0	0	1	25	1	25	2	50	831	3	0	29	14	57	827	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	25	7	28	11	44	5	20	2	8	851	20	22	51	18	9	850	15	16	44	22	18	845
B. about the same as my regular schoolwork	55	9	16	32	57	12	21	3	5	850	63	23	56	16	6	852	65	23	49	18	9	850
C. easier than my regular schoolwork	21	6	29	8	38	3	14	4	19	849	17	30	49	11	11	852	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	9	0	0	7	78	1	11	1	11	843	10	5	68	14	14	845	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	57	7	12	31	53	15	26	5	9	848	55	16	57	20	7	849	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	34	14	41	13	38	4	12	3	9	856	35	41	45	8	6	857	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	31	8	26	16	52	5	16	2	6	853	34	32	51	13	4	855	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	55	13	24	25	45	13	24	4	7	851	54	23	55	16	7	851	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	14	1	7	8	57	2	14	3	21	842	12	8	54	19	19	843	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	16	4	25	9	56	3	19	0	0	854	13	31	59	10	0	856	18	31	47	13	9	852
B. 20 minutes to an hour	37	11	29	20	53	5	13	2	5	855	39	30	48	15	7	854	41	28	49	15	7	852
C. less than 20 minutes	14	3	21	8	57	2	14	1	7	850	16	26	63	9	3	853	13	20	49	18	12	848
D. I rarely read at home.	33	4	12	14	41	10	29	6	18	843	32	13	54	21	13	846	28	12	47	26	16	844
How do you feel about the following statement?																						
<i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	43	14	32	22	50	7	16	1	2	855	39	34	52	11	2	856	43	31	48	14	7	853
B. agree	45	7	15	23	50	10	22	6	13	847	50	19	53	18	10	849	48	18	50	20	12	848
C. disagree	10	1	10	5	50	3	30	1	10	847	9	10	60	20	10	848	6	11	43	24	21	843
D. strongly disagree	2	0	0	1	50	0	0	1	50	832	2	0	75	0	25	842	2	6	36	32	26	839
Optional school/SAU question																						
A.	60	0	0	0	0	2	67	1	33	831	43	0	0	67	33	831						
B.	40	0	0	2	100	0	0	0	0	850	43	0	67	33	0	847						
C.	0										14	100	0	0	0	862						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: South Portland School Dept
School: Daniel F. Mahoney Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	11	10	20	9	1714	11
	2006-2007	26	21	34	15	1952	13
	2007-2008	10	10	26	11	1657	11
	Cum. Total*	47	14	80	12	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	43	39	95	42	5533	34
	2006-2007	46	38	88	40	5870	38
	2007-2008	44	43	102	45	5956	40
	Cum. Total*	133	40	285	42	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	32	29	62	27	4764	29
	2006-2007	31	25	59	27	3982	26
	2007-2008	30	29	62	27	3729	25
	Cum. Total*	93	28	183	27	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	25	23	50	22	4251	26
	2006-2007	19	16	40	18	3534	23
	2007-2008	19	18	38	17	3579	24
	Cum. Total*	63	19	128	19	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.9	55.6	8.7	54.4	8.4	52.5
Cluster 2: Shape and Size	14	25	5.9	42.1	6.0	42.9	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.9	61.3	5.1	63.8	4.6	57.5
Cluster 4: Patterns	18	32	9.3	51.7	9.5	52.8	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	103	10	10	44	43	30	29	19	18	843	228	11	45	27	17	843	14921	11	40	25	24	841
Ethnicity																						
African American/Black	7	0	0	2	29	2	29	3	43	834	12	0	50	25	25	840	352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	4										10	20	30	40	10	846	181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	90	10	11	39	43	25	28	16	18	844	204	12	45	27	17	843	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	23	1	4	4	17	8	35	10	43	833	35	3	14	26	57	828	2265	1	14	22	62	824
No	80	9	11	40	50	22	28	9	11	846	193	13	50	27	9	846	12656	13	45	26	17	844
Current LEP																						
Yes	5	0	0	1	20	2	40	2	40	830	10	10	40	20	30	838	315	5	24	20	51	828
No	98	10	10	43	44	28	29	17	17	844	218	11	45	28	16	844	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	32	1	3	9	28	12	38	10	31	835	58	7	31	33	29	837	5217	5	30	29	37	834
No	71	9	13	35	49	18	25	9	13	847	170	13	49	25	12	846	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	103	10	10	44	43	30	29	19	18	843	228	11	45	27	17	843	14914	11	40	25	24	841
Gender																						
Female	43	5	12	18	42	13	30	7	16	844	103	12	41	34	14	843	7199	11	40	26	23	841
Male	60	5	8	26	43	17	28	12	20	842	125	11	48	22	19	844	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	103	10	10	44	43	30	29	19	18	843	228	11	45	27	17	843	14115	12	41	25	23	842
Gifted/talented program																						
Yes	16	6	38	10	63	0	0	0	0	862	30	50	47	3	0	863	592	58	39	2	1	864
No	87	4	5	34	39	30	34	19	22	839	198	6	44	31	19	840	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	1	9	1	9	4	36	5	45	834	9	5	33	24	38	836	9	5	30	23	41	833
B. less than one hour	43	3	7	19	43	12	27	10	23	841	45	11	41	30	18	842	46	10	40	26	25	840
C. one to two hours	38	6	15	18	46	12	31	3	8	848	40	12	51	27	10	847	41	14	42	25	19	843
D. more than two hours	8	0	0	6	75	2	25	0	0	848	6	23	62	15	0	853	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	28	6	21	15	52	2	7	6	21	848	28	22	48	10	21	848	30	17	43	22	18	845
B. They match some of what I have learned.	54	4	7	23	42	19	35	9	16	843	55	8	49	30	13	844	50	10	42	26	22	841
C. They match just a little of what I have learned.	16	0	0	6	38	7	44	3	19	838	15	6	35	41	18	838	17	6	32	29	33	836
D. There is no match.	2	0	0	0	0	2	100	0	0	833	2	0	0	100	0	837	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	21	8	38	8	38	4	19	1	5	856	21	38	40	17	4	856	26	29	46	14	11	851
B. good	50	2	4	27	53	14	27	8	16	843	48	6	56	24	13	844	45	7	46	27	20	841
C. fair	25	0	0	7	28	11	44	7	28	835	27	2	31	41	26	835	23	1	26	34	38	833
D. poor	5	0	0	2	40	1	20	2	40	832	4	0	38	25	38	835	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	18	0	0	8	44	7	39	3	17	840	24	4	44	37	15	840	34	4	35	28	32	836
B. about the same as my regular schoolwork	62	7	11	27	44	15	25	12	20	844	59	11	47	24	18	844	52	10	43	26	21	842
C. easier than my regular schoolwork	20	3	15	9	45	5	25	3	15	846	18	26	46	21	8	851	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	32	3	10	14	45	11	35	3	10	845	34	12	45	30	14	845	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	55	7	13	24	45	13	25	9	17	845	58	14	50	23	14	846	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	13	0	0	4	31	4	31	5	38	834	8	0	29	41	29	834	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	3	0	0	1	33	1	33	1	33	833	3	0	14	43	43	828	9	6	38	27	29	837
B. two or three days a week	7	0	0	3	43	2	29	2	29	839	7	0	38	38	25	838	16	8	38	27	27	839
C. two or three times each month	23	5	22	7	30	9	39	2	9	847	21	11	35	46	9	843	28	12	41	27	21	843
D. never or almost never	68	5	7	33	48	18	26	13	19	843	69	14	51	20	15	846	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	54	9	16	31	56	10	18	5	9	850	47	20	50	18	11	849	38	14	42	23	21	843
B. two or three times a week	36	1	3	10	28	16	44	9	25	836	40	6	40	37	17	840	33	10	41	26	23	841
C. two or three times each month	8	0	0	2	25	3	38	3	38	835	11	0	44	28	28	837	18	10	36	27	27	840
D. never or almost never	2	0	0	1	50	0	0	1	50	833	2	0	50	25	25	839	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	43	6	14	22	51	8	19	7	16	848	42	17	47	20	15	847	54	14	44	23	18	844
B. agree	45	3	7	19	42	16	36	7	16	841	48	7	46	32	15	842	38	8	36	27	28	838
C. disagree	9	1	11	2	22	3	33	3	33	836	8	12	35	29	24	840	6	6	31	28	36	835
D. strongly disagree	4	0	0	1	25	2	50	1	25	833	3	0	50	33	17	839	2	3	23	25	49	831
Optional school/SAU question																						
A.	60	0	0	0	0	1	33	2	67	827	43	0	0	33	67	827						
B.	40	0	0	0	0	2	100	0	0	840	43	0	0	100	0	840						
C.	0										14	0	100	0	0	846						
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: South Portland School Dept
School: Daniel F. Mahoney Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	11	10	25	11	1879	12
	2006-2007	27	22	35	16	2192	14
	2007-2008	20	19	38	17	2371	16
	Cum. Total*	58	17	98	15	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	72	67	136	61	8604	53
	2006-2007	56	46	111	50	7916	52
	2007-2008	55	53	128	56	7630	51
	Cum. Total*	183	55	375	56	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	13	12	41	18	3618	22
	2006-2007	28	23	51	23	3340	22
	2007-2008	21	20	41	18	3175	21
	Cum. Total*	62	19	133	20	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	12	11	22	10	2174	13
	2006-2007	11	9	23	10	1865	12
	2007-2008	7	7	20	9	1731	12
	Cum. Total*	30	9	65	10	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.1	57.9	8.0	57.1	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.9	56.4	8.1	57.9	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.3	59.3	7.8	55.7	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.5	60.7	8.6	61.4	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	103	20	19	55	53	21	20	7	7	849	227	17	56	18	9	849	14907	16	51	21	12	847
Ethnicity																						
African American/Black	7	1	14	4	57	0	0	2	29	843	12	8	58	17	17	844	349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	4										10	10	70	10	10	847	181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	90	19	21	46	51	20	22	5	6	850	203	18	55	19	8	849	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	23	2	9	11	48	8	35	2	9	843	35	6	40	31	23	840	2258	3	29	31	37	836
No	80	18	23	44	55	13	16	5	6	851	192	19	59	16	6	850	12649	18	55	20	7	850
Current LEP																						
Yes	5	0	0	1	20	1	20	3	60	831	10	0	40	20	40	837	315	4	29	25	42	834
No	98	20	20	54	55	20	20	4	4	850	217	18	57	18	7	849	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	32	1	3	17	53	10	31	4	13	841	58	7	50	26	17	843	5206	8	45	28	20	842
No	71	19	27	38	54	11	15	3	4	853	169	20	59	15	6	851	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	103	20	19	55	53	21	20	7	7	849	227	17	56	18	9	849	14900	16	51	21	12	847
Gender																						
Female	43	9	21	21	49	11	26	2	5	849	103	14	56	21	9	847	7196	14	52	23	12	847
Male	60	11	18	34	57	10	17	5	8	849	124	19	56	15	9	850	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	103	20	19	55	53	21	20	7	7	849	227	17	56	18	9	849	14103	16	52	21	11	848
Gifted/talented program																						
Yes	16	8	50	8	50	0	0	0	0	864	30	57	43	0	0	865	592	63	35	1	0	865
No	87	12	14	47	54	21	24	7	8	846	197	11	58	21	10	846	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: South Portland School Dept
 School: Daniel F. Mahoney Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	1	9	4	36	3	27	3	27	838	9	14	29	33	24	841	9	10	40	26	23	842
B. less than one hour	43	5	11	25	57	10	23	4	9	848	45	13	58	18	11	848	46	14	52	22	12	847
C. one to two hours	38	13	33	20	51	6	15	0	0	854	40	23	59	14	3	852	41	19	53	19	9	849
D. more than two hours	8	1	13	6	75	1	13	0	0	849	6	8	77	15	0	849	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	23	4	17	16	70	2	9	1	4	851	23	14	70	12	4	851	29	19	54	19	9	849
B. They match some of what I have learned.	54	14	26	25	46	11	20	4	7	851	51	24	48	18	11	850	49	16	51	22	11	848
C. They match just a little of what I have learned.	18	2	11	11	61	5	28	0	0	848	22	6	69	21	4	847	18	13	51	23	13	846
D. There is no match.	5	0	0	1	20	2	40	2	40	830	5	10	20	40	30	838	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	12	4	33	6	50	1	8	1	8	852	19	39	44	10	7	854	23	28	51	13	8	853
B. good	54	15	28	26	49	9	17	3	6	851	54	15	61	14	10	849	54	15	55	21	9	848
C. fair	26	1	4	19	73	5	19	1	4	848	22	8	60	27	4	847	20	5	45	32	18	842
D. poor	8	0	0	1	13	5	63	2	25	835	5	0	42	42	17	840	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	24	4	17	10	42	7	29	3	13	845	28	20	48	23	10	848	27	15	49	22	14	846
B. about the same as my regular schoolwork	57	13	23	32	57	8	14	3	5	852	57	17	59	14	10	849	59	15	53	22	10	848
C. easier than my regular schoolwork	18	3	17	11	61	3	17	1	6	850	15	15	65	18	3	851	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	29	4	14	15	54	7	25	2	7	848	30	18	52	20	9	849	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	60	15	26	29	50	10	17	4	7	851	63	17	57	17	9	849	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	11	1	9	7	64	2	18	1	9	846	7	13	69	13	6	849	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	35	3	9	17	50	9	26	5	15	844	32	7	57	22	14	845	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	21	3	14	13	62	4	19	1	5	849	20	19	58	21	2	851	24	18	53	20	10	849
C. the course(s) described in B, plus physics	20	11	55	6	30	3	15	0	0	860	23	41	49	10	0	858	22	30	47	14	8	853
D. a life science and physical science class	23	3	13	16	70	4	17	0	0	849	25	7	62	18	13	845	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	24	7	29	13	54	3	13	1	4	854	20	31	49	16	4	853	27	23	51	17	9	851
B. agree	50	11	22	29	58	7	14	3	6	851	54	17	61	13	9	850	54	15	53	21	11	847
C. disagree	16	2	13	8	50	6	38	0	0	846	17	5	64	26	5	846	15	10	50	26	14	845
D. strongly disagree	11	0	0	4	36	4	36	3	27	838	9	11	32	37	21	841	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	25	5	20	17	68	2	8	1	4	853	23	29	58	12	2	855	25	24	52	15	8	851
B. agree	30	9	30	13	43	5	17	3	10	850	31	20	54	17	9	849	37	15	50	22	12	847
C. disagree	28	5	18	18	64	5	18	0	0	851	28	11	68	16	5	849	26	12	53	23	12	846
D. strongly disagree	18	1	6	6	33	8	44	3	17	842	17	5	41	31	23	842	12	8	48	28	15	844
Optional school/SAU question																						
A.	60	0	0	0	0	2	67	1	33	827	43	0	0	67	33	827						
B.	40	0	0	2	100	0	0	0	0	850	43	0	100	0	0	849						
C.	0										14	0	100	0	0	852						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number